

ARMY HUMAN RESOURCE SYSTEM (AHRs)

VSAT Supplemental Guide

Version 1.0

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1. BEFORE YOU BEGIN

- Your VSAT system should be fully operational.

This handbook will not be of any assistance if you are unable to place your VSAT system into operation.

- You must have or have contact with someone who has an administrator level login to the computer systems you wish to connect to the VSAT terminal.
- You must have the Internet Protocol (IP) address range for you VSAT system.
- You must have a log to track and ensure you do not use the same IP addresses more than once.
- You must understand that Port 80 has been blocked and how that affects the usage of the VSAT system. (see below)

1.1 Ports

Ports are used in the TCP to name the ends of logical connections which carry long term conversations. For the purpose of providing services to unknown callers, a service contact port is defined. In other words, for every Internet using application, a port has typically been pre-defined and is used by that application. FTP, TELNET, HTTP, HTTPS, Chat Programs, Email Programs, among many others, all have their own unique ports. For example; FTP uses port 21 while HTTP uses port 80.

As a method to control security and abuse, Port 80 on the VSAT system has been blocked. Port 80 is used by HTTP. HTTP is the application or service used by Internet Browsers to provide connections to <http://www.someone.something>.

Because of this blockage, any attempt to connect to an http website will fail. Most government and military websites use the Secure HTTP service or HTTPS. HTTPS uses port 443 and is therefore not affected by the port 80 block. Websites such as <https://www.us.army.mil> will connect, but <http://www.yahoo.com> will not.

Other ports to have knowledge of:

- PERNET QWS3270 (Secure) 9943
- Digital Sender 1687
- FTP 21

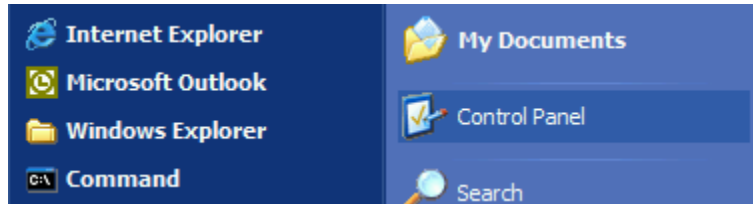
Realize that, although you might be inside AKO - if AKO references a site or directs you to a site that is not secured (HTTP), you will not be able to review or connect to that site. Likewise, most common search sites are also blocked. Units are advised to have a predefined list of HTTPS sites that they will be using before they deploy. Units will not be able to use popular search sites to find HTTPS sites once on the VSAT system. (see section 3)

2. CONFIGURE YOUR SYSTEM FOR THE VSAT SYSTEM

In order to communicate with the VSAT system, you must reconfigure the network settings of each computer you connect to the VSAT device.

2.1 Configuring Windows XP

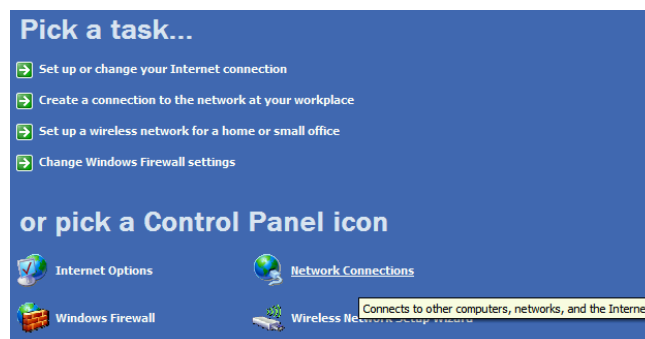
1. Click the **Start Button** and **Control Panel**



2. Click **Network and Internet Connections**



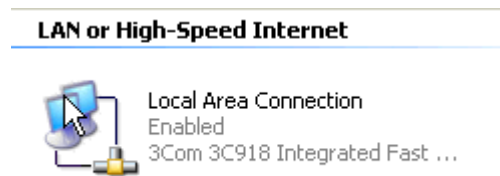
3. Click **Network Connections**



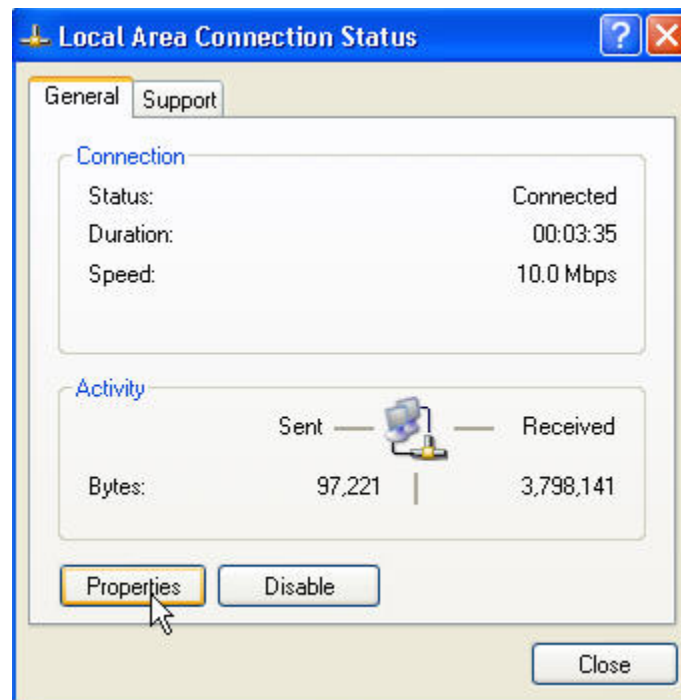
4. Using Windows XP Classic View, click **Network Connections**



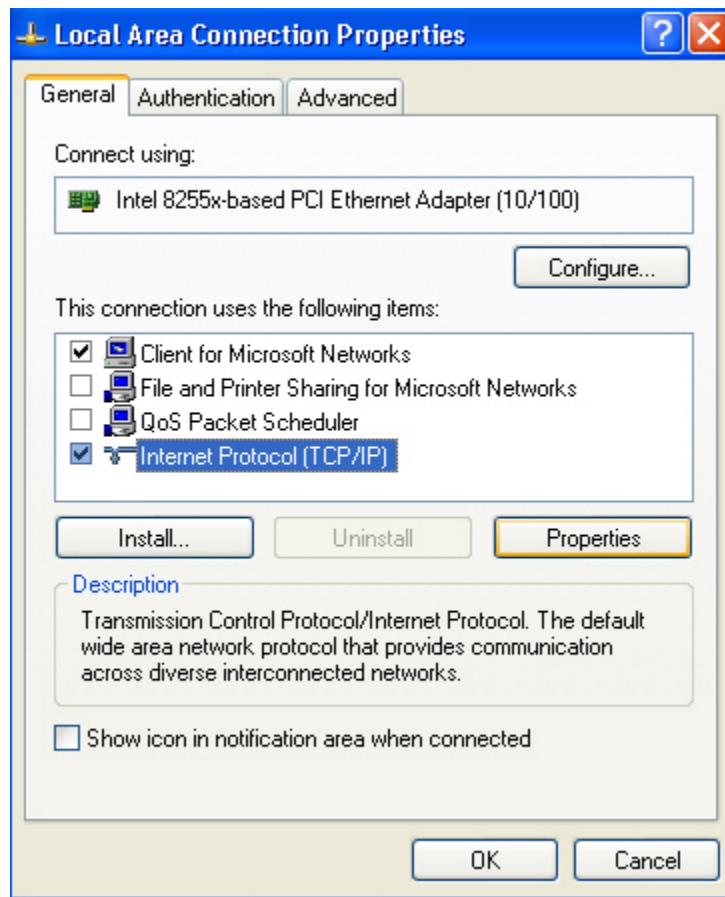
5. Double-click the **Local Area Connection** Icon



6. The Local Area Connection Status window will appear
7. Click on **Properties**



8. Select the **General** Tab of the Internet Protocol (TCP/IP) Properties window



9. Your window may look like the one below or it might not. Make sure the radio buttons for **Use the following IP address** and **Use the following DNS server addresses** are both selected

The image shows a screenshot of the "Internet Protocol (TCP/IP) Properties" dialog box, specifically the "General" tab. The dialog box has a blue title bar with a question mark icon and a close button. Below the title bar, there are two tabs: "General" (selected) and "Alternate Configuration".

Inside the "General" tab, there is a text box that reads: "You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings."

Below this text, there are two sections of radio buttons:

- The first section has two radio buttons:
 - ☒ Obtain an IP address automatically
 - ☐ Use the following IP address:
- The second section has two radio buttons:
 - ☒ Obtain DNS server address automatically
 - ☐ Use the following DNS server addresses:

When the "Use the following IP address:" radio button is selected, a group box appears containing three text boxes for "IP address:", "Subnet mask:", and "Default gateway:", each followed by a text input field.

When the "Use the following DNS server addresses:" radio button is selected, a group box appears containing two text boxes for "Preferred DNS server:" and "Alternate DNS server:", each followed by a text input field.

At the bottom right of the dialog box, there is an "Advanced..." button. At the very bottom, there are "OK" and "Cancel" buttons.

10. Input your configuration settings for this system. Ensure you use a unique IP address for this computer. All other settings should remain the same for every computer connecting to this particular VSAT system.

The screenshot shows the 'Internet Protocol (TCP/IP) Properties' dialog box with the 'General' tab selected. The dialog box has a blue title bar with a question mark and a close button. The main content area is white with a light blue border. It contains a text box with instructions: 'You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.' Below this, there are two radio buttons: 'Obtain an IP address automatically' (unselected) and 'Use the following IP address:' (selected). The 'Use the following IP address:' section contains three text boxes: 'IP address:' with the value '199 . 255 . 255 . 100', 'Subnet mask:' with the value '255 . 255 . 255 . 0', and 'Default gateway:' with the value '199 . 255 . 255 . 1'. Below these, there are two more radio buttons: 'Obtain DNS server address automatically' (unselected) and 'Use the following DNS server addresses:' (selected). The 'Use the following DNS server addresses:' section contains two text boxes: 'Preferred DNS server:' with the value '199 . 255 . 255 . 2' and 'Alternate DNS server:' with the value '199 . 255 . 255 . 3'. At the bottom right of the main content area is an 'Advanced...' button. At the bottom of the dialog box are 'OK' and 'Cancel' buttons.

Internet Protocol (TCP/IP) Properties

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

☐ Obtain an IP address automatically

☒ Use the following IP address:

IP address: 199 . 255 . 255 . 100

Subnet mask: 255 . 255 . 255 . 0

Default gateway: 199 . 255 . 255 . 1

☐ Obtain DNS server address automatically

☒ Use the following DNS server addresses:

Preferred DNS server: 199 . 255 . 255 . 2

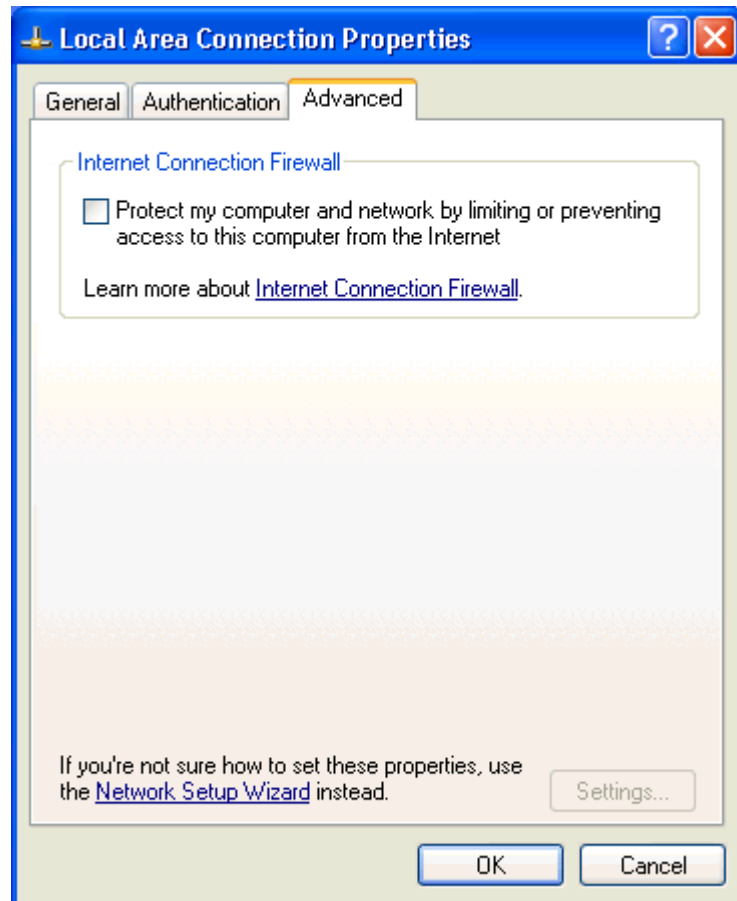
Alternate DNS server: 199 . 255 . 255 . 3

Advanced...

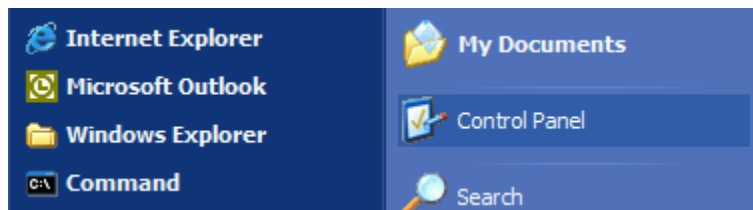
OK Cancel

11. On the Local Area Connection Properties window select the **Advanced** tab

12. The Internet Connection Firewall window will appear
13. Make sure that in the **Internet Connection Firewall** section, **Protect My Computer and Network by Limiting or Preventing Access to this Computer from the Internet** is not checked. This disables the Windows XP built in firewall which may hinder the connection. You may re-enable it after troubleshooting or initial setup.



14. Click the **Start Button** and **Control Panel**



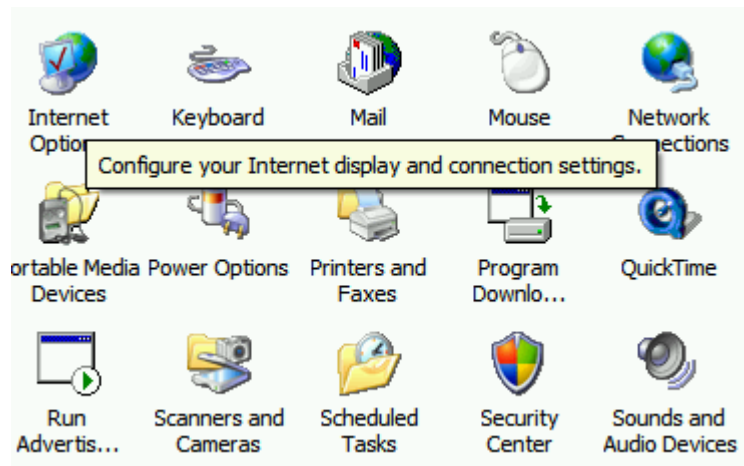
15. Click **Network and Internet Connections**



16. Click **Internet Options**



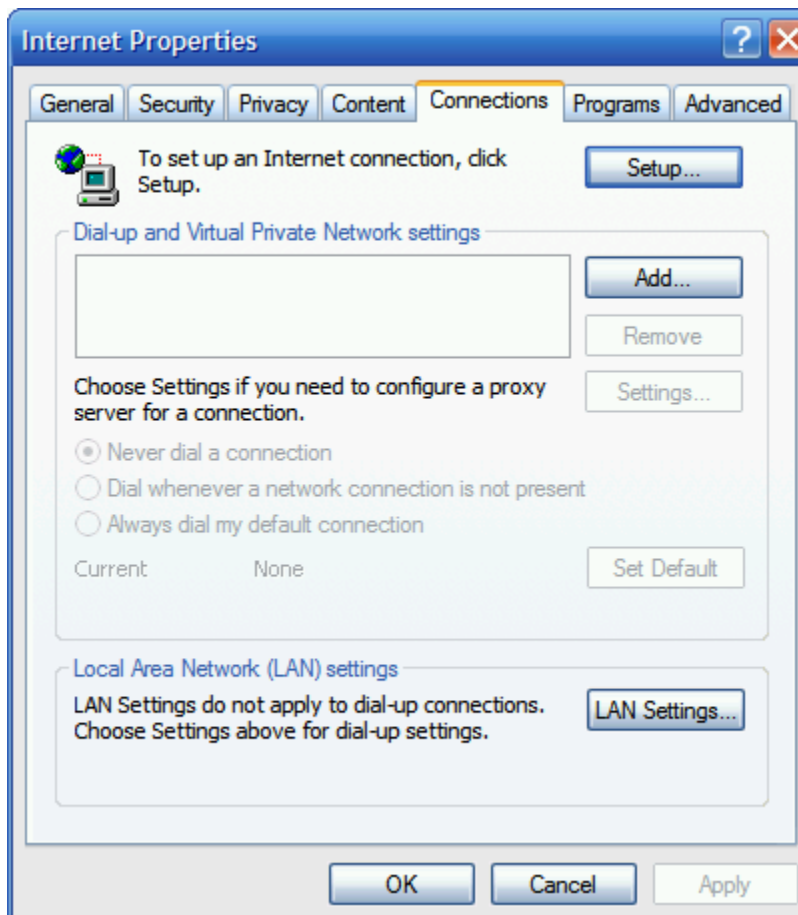
17. Using Windows XP Classic View , click **Internet Options**



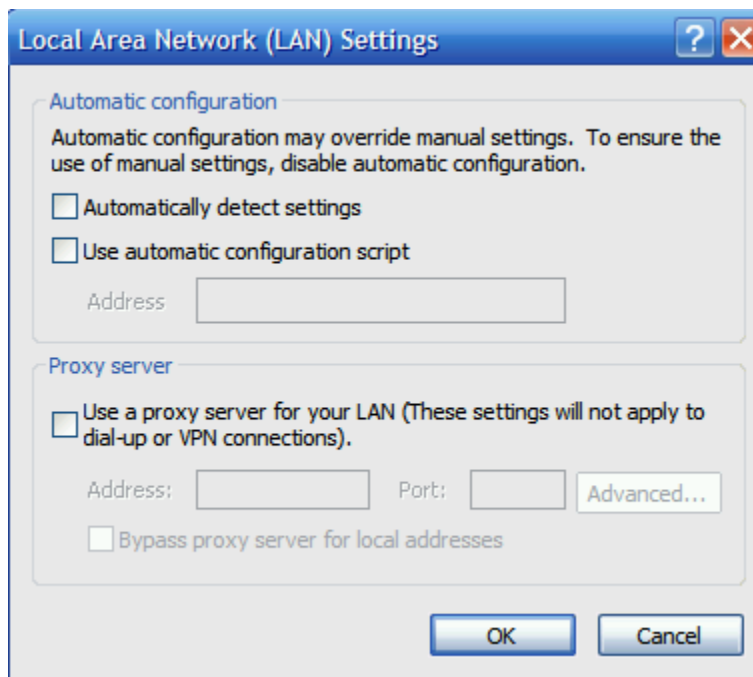
18. The Internet Properties window will appear



19. Click the **Connections** tab and ensure you have no information in the **Dial-up and Virtual Private Network settings** section.



20. Click the **LAN Settings** button.
21. The Proxy server window will appear. Ensure you have no information in the **Proxy server** section and no check marks in the **Automatic configuration** section



The image shows a Windows dialog box titled "Local Area Network (LAN) Settings". It has a blue title bar with a question mark icon and a close button. The dialog is divided into two main sections: "Automatic configuration" and "Proxy server".

Automatic configuration

Automatic configuration may override manual settings. To ensure the use of manual settings, disable automatic configuration.

☐ Automatically detect settings

☐ Use automatic configuration script

Address:

Proxy server

☐ Use a proxy server for your LAN (These settings will not apply to dial-up or VPN connections).

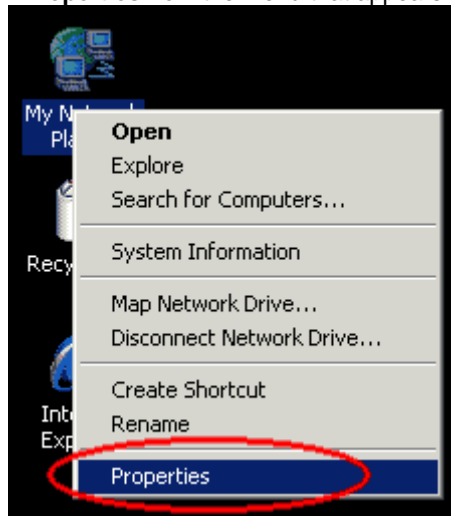
Address: Port:

☐ Bypass proxy server for local addresses

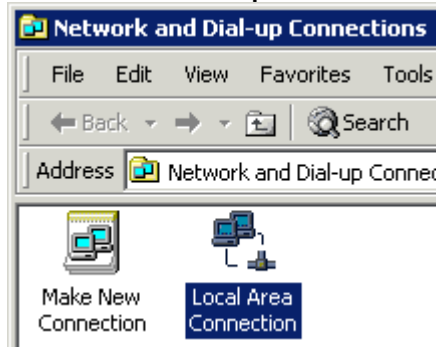
At the bottom right, there are two buttons: "OK" and "Cancel".

2.2 Configuring Windows 2000

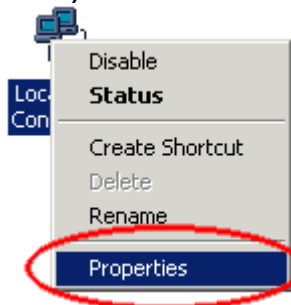
1. Click the right mouse button on the **My Network Places** icon on your desktop and select the item **Properties** from the menu that appears.



2. In the window that appears, labeled *Network and Dial-up Connections*, right-click on the icon titled **Local Area Connection** and select the item **Properties** from the menu that appears.



3. A window titled *Local Area Connection Properties* will now appear. In the window below, select the item called **Internet Protocol (TCP/IP)** and then click on the button labeled **Properties**.



4. A window titled *Internet Protocol (TCP/IP) Properties* will now appear. In this window, click on the radio button to the left of **Use the following IP address:**
- Program the window with the settings you were provided.

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

☐ Obtain an IP address automatically

☒ Use the following IP address: -

IP address: → 128 . 104 . 180 . 100

Subnet mask: → 255 . 255 . 254 . 0

Default gateway: → 128 . 104 . 180 . 1

5. In the same window near the bottom, make sure the radio button to the left of **Use the following DNS server addresses:** is filled.
- Program the window with the settings you were provided.

☐ Obtain DNS server address automatically

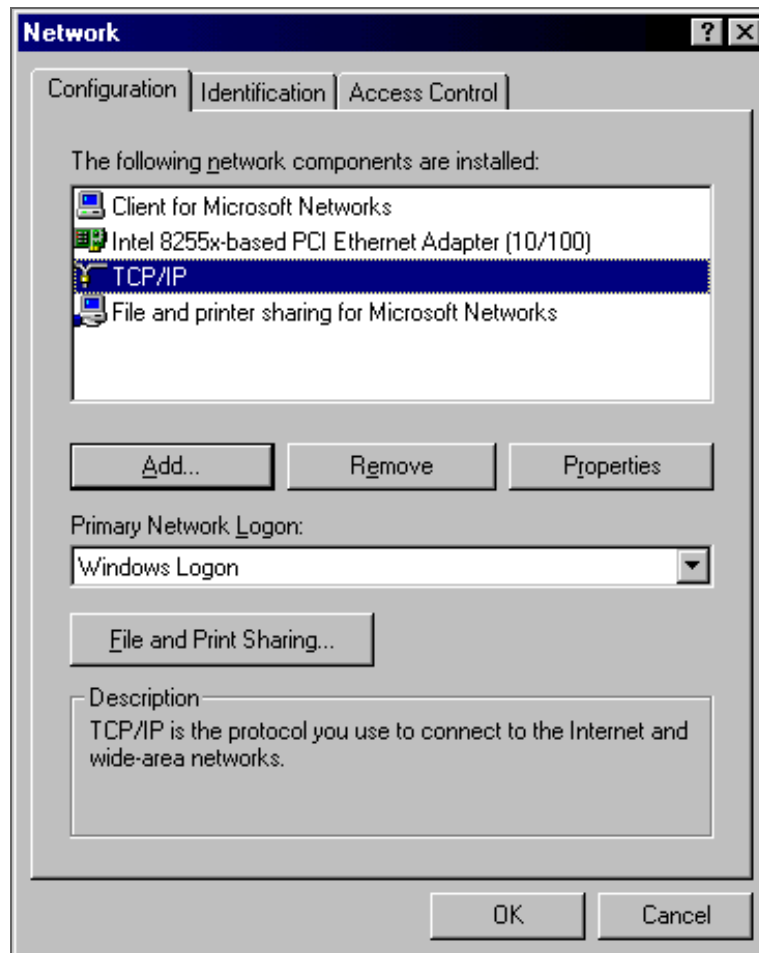
☒ Use the following DNS server addresses: -

Preferred DNS server: → 144 . 92 . 12 . 24

Alternate DNS server: → 128 . 104 . 180 . 2

2.3 Configuring Windows 95/98/ME

1. Click the **Start** button in the lower left corner of your screen
2. Select **Settings** and click **Control Panel**
3. Double-click the **Network** icon
4. Click the **Configuration** tab



5. Scroll through the list and locate the TCP/IP protocol
6. Highlight the protocol
7. Click the **Properties** button below the window
8. A new window opens with multiple tabs
9. Click the **IP Address** tab
10. Locate and verify that the button labeled: **Specify an IP address** is selected

- Enter your information

The image shows a screenshot of the 'TCP/IP Properties' dialog box, specifically the 'IP Address' tab. The dialog box has a title bar with a question mark and a close button. Below the title bar are four tabs: 'Bindings', 'Advanced', 'NetBIOS', and 'IP Address'. The 'IP Address' tab is selected. Inside the tab, there is a text box with the following text: 'An IP address can be automatically assigned to this computer. If your network does not automatically assign IP addresses, ask your network administrator for an address, and then type it in the space below.' Below this text are two radio buttons. The first radio button is labeled 'Obtain an IP address automatically' and is unselected. The second radio button is labeled 'Specify an IP address:' and is selected. Below the second radio button is a group box containing two text fields. The first text field is labeled 'IP Address:' and contains the value '192.168.1.2'. The second text field is labeled 'Subnet Mask:' and contains the value '255.255.255.0'. At the bottom right of the dialog box are two buttons: 'OK' and 'Cancel'.

TCP/IP Properties ? X

Bindings Advanced NetBIOS
DNS Configuration Gateway WINS Configuration IP Address

An IP address can be automatically assigned to this computer. If your network does not automatically assign IP addresses, ask your network administrator for an address, and then type it in the space below.

☐ Obtain an IP address automatically

☒ Specify an IP address:

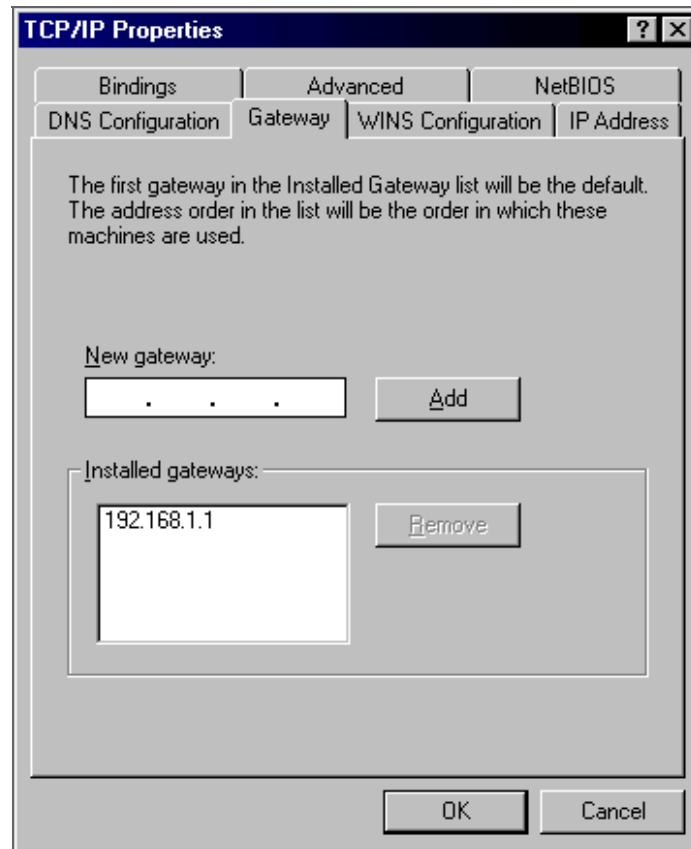
IP Address: 192.168.1.2

Subnet Mask: 255.255.255.0

OK Cancel

11. Click the **Gateway** tab

- Enter your information
- Make sure there are no addresses (numbers) listed (if there are addresses listed, highlight them and select **Remove**



12. Click the **DNS Configuration** tab
13. Locate and click the button labeled: **Enable DNS**

- Input your computer name in the Host box
- Input .army.mil in the Domain box
- Input your DNS servers in the DNS box and clicking **Add**

The image shows a screenshot of the 'TCP/IP Properties' dialog box, specifically the 'DNS Configuration' tab. The dialog box has a title bar with a question mark and a close button. Below the title bar are three tabs: 'Bindings', 'Advanced', and 'NetBIOS'. The 'DNS Configuration' tab is selected. Inside this tab, there are four sub-tabs: 'DNS Configuration', 'Gateway', 'WINS Configuration', and 'IP Address'. The 'DNS Configuration' sub-tab is active. It contains two radio buttons: 'Disable DNS' (unselected) and 'Enable DNS' (selected). Below the radio buttons, there are two text boxes: 'Host' (containing 'elmo') and 'Domain' (containing 'lan'). Below these, there is a section titled 'DNS Server Search Order' with a horizontal line. Under this line, there are two text boxes: the first contains three dots '...', and the second contains '192.168.1.1'. To the right of each text box are 'Add' and 'Remove' buttons. Below the 'DNS Server Search Order' section, there is another section titled 'Domain Suffix Search Order' with a horizontal line. Under this line, there are two empty text boxes. To the right of each text box are 'Add' and 'Remove' buttons. At the bottom of the dialog box are 'OK' and 'Cancel' buttons.

TCP/IP Properties [?] [X]

Bindings Advanced NetBIOS

DNS Configuration Gateway WINS Configuration IP Address

☐ Disable DNS

☒ Enable DNS

Host: elmo Domain: lan

DNS Server Search Order

. . . Add

192.168.1.1 Remove

Domain Suffix Search Order

Add Remove

OK Cancel

3. WEBSITE REFERENCE

- ATTRS (Army Training and Requirements Resource System)
<https://www.atrrs.army.mil/portals/logon.asp>
- CITRIX (eHRC Interface – A tool for connecting to HR databases)
<https://remoteweb1.hoffman.army.mil/LogonAgent/Login.asp>
- DB Helper Tools (TAPDB fields and table references)
<https://isdrad06.hoffman.army.mil/sso/dbhelper>
- DCIPS (Defense Casualty Information Processing System)
<https://199.208.20.182>
- eMILPO (Electronic Military Personnel Office)
<https://eMILPO.ahrs.army.mil>
- Datastore (Electronic Military Personnel Office Data Query Tools and Reports)
<https://datastore.ahrs.army.mil>
- Fields Systems Division (Direct Link to the HRC website)
<https://www.perscomonline.army.mil/fsd/index.htm>
- ITAPDB (Integrated Total Army Personnel Database)
<https://itapdb.hoffman.army.mil/>
- PASS-R (TAPDB and eMILPO Data Correction Tools)
<https://www.dataaudit.hoffman.army.mil/>
- PERMS – Enlisted (Electronic Record Management System)
<https://ompf-ep.hoffman.army.mil/epmdssnEntry.jsp>
- PERMS – Officer (Electronic Record Management System)
<https://ompf-op.hoffman.army.mil/epmdIndex.jsp>
- Remedy (eMILPO Trouble Ticket Submission System)
<https://128.190.239.63/>
- TOPMIS II (Officer Personnel Management and Information System)
<https://www.topmis.hoffman.army.mil>
- WEBTAADS (Army TOE, MTOE, CDA and TDA Information and Tools)
<https://webtaads.belvoir.army.mil/usafmsa/>

4. POINTS OF CONTACT

Listings of persons to contact in the event of connectivity or application failure

System	HRC POC	System Admin	Network Admin
eMILPO	FSD, MAJ Gray, DSN 221-3775	Contact: PM AHRS, Jeff Hauck ,DSN 656-3653	Contact: PM AHRS, Jeff Hauck, DSN 656-3653
PERNET			Contact: HRC-Alexandria, Ed Seward, DSN 221-2482
eTOPMIS			Contact: HRC-Alexandria, Ed Seward, DSN 221-2482
TOPMIS over Citrix		Contact for Citrix: Bill Roy, 221-6112	Contact: HRC-Alexandria, Ed Seward, DSN 221-2482
eDCIPS FORWARD (eDF)		Contact: Tim Wong, DSN 221-7475	Contact: HRC-Alex, Ed Seward, DSN 221-2482
CAC			
Keystone Retain, Request, Keyview - Accessions CMD	KEYSTONE DSN 221-6075	Contact: Kay Mouser ISA- USAAC DSN 536-1328 *Hardware and OS only	Contact: ISA-USAAC Chris Brooks, DSN 536-0114
Digital Sender			Contact: HRC-Alexandria, Ed Seward, DSN 221-2482 Contact: HRC-Indianapolis, Kerry Audler, DSN 699-4179
RETAIN	RETAIN NCOIC, SFC Whitehouse, DSN 221-6951		

5. ACRONYMS AND ABBREVIATIONS

A listing of commonly used acronyms and abbreviations.

ACD	Automated Call Distribution
AHRS	Army Human Resource System
AKO	Army Knowledge Online
AR	Army Regulation
CM	Configuration Management
CONUS	Continental United States
COOP	Continuity in Operations
DA	Department of the Army
DASD	Direct Access Storage Disk
DIMHRS	Defense Information Management Human Resource System
DoD	Department of Defense
DOS	Disk Operating System
DTAS	Deployed Theater Accountability Software
DTG	Date-Time Group
ECP-S	Engineering Change Proposal-Software
EIS	Enterprise Information Systems
<i>eMILPO</i>	Electronic Military Personnel Office
FOUO	For Official Use Only
FSD	Field Systems Division
FTP	File Transfer Protocol
FY	Fiscal Year
HQDA	Headquarters, Department of the Army
HRC	Human Resources Command
IA	Interface Agreement
IAW	In Accordance With
ID	Identification
MBIS	Mail Box Information System
MS	Microsoft
NIPRNet	Unclassified But Sensitive Internet Protocol Router Network
OCONUS	Outside (the) Continental United States
PAS	Personnel Automation Section
PEO	Program Executive Office
PERMS	Personnel Electronic Record Management System
PERSCOM	Personnel Command
PERSINSD	Personnel Information System Directorate
PM	Product Manager
PMO	Product Manager's Office
POC	Point of Contact
POC	Point of Contact
PPA	PERSINS Processing Activity

PPA	PERSINS Processing Activity
SBU	Sensitive But Unclassified
SIA	System Interface Agreement
SIDPERS	Standard Installation/Division Personnel System
SIDPERS-3	Standard Installation/Division Personnel System-3
SOP	Standing Operating Procedure
SQL	Structured Query Language
SRMR	Security Risk Management Review
SSN	Social Security Number
STAMIS	Standard Army Management Information Systems
T³	Trouble Ticket Tracker
TAPDB	Total Army Personnel Database
TCP/IP	Transmission Control Protocol/Internet Protocol
TIC	Technology Integration Center
TT	Trouble Ticket
U.S.	United States
US2	Unclassified Sensitive 2
USC	United States Code
VPN	Virtual Private Network